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Collagen-binding proteins of rat mammary tumor epithelial cells: a biochemical and immunological study.

PubMed
Services

Wirl G, Pfaffle M.

Institut fur Molekularbiologie der Österreichischen Akademie der Wissenschaften, Salzburg, Austria.

Related
Resources

Collagen-binding proteins were studied in mammary epithelial cells of 7,12-dimethylbenz[a]anthracene-induced rat mammary tumors. These proteins can be solubilized from cell membranes with 0.1% Triton. Using affinity chromatography on type I collagen-Sepharose and polyacrylamide slab gel electrophoresis, three major proteins of 34,000, 36,000, and 38,000 Da were found. Similar proteins were also present in several other cell types, including both epithelial and mesenchymal cells. Pulse-chase experiments did not indicate a precursor-product relationship of these proteins. Tryptic/chymotryptic peptide maps, however, revealed that the 36,000- and 38,000-Da proteins are very similar but are quite different from the 34,000-Da molecular form. The distribution and function of these proteins were then analyzed by using polyclonal antibodies directed against the entire set of major proteins. In immunofluorescence studies we observed a dense, punctate distribution of fluorescence on the cell surface of isolated and unfixed epithelial organoids and a bright pericellular staining in cultures after fixation. Treatment with the antiserum did not affect attachment and spreading of cuboidal mammary cells to plastic or to a collagen substratum. However, when the antiserum was added to the medium of growing cuboidal cells, it caused the formation of duct-like structures. These studies indicate that collagen-binding proteins may play a role in mammary gland morphology.

PMID: 2836228 [PubMed - indexed for MEDLINE]

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(FILE 'HOME' ENTERED AT 15:53:59 ON 28 FEB 2002)

FILE 'BIOSIS, CABA, CAPLUS, EMBASE, LIFESCI, MEDLINE, SCISEARCH,
USPATFULL, JAPIO' ENTERED AT 15:54:40 ON 28 FEB 2002

L1	276 S HOOK, MAGNUS/AU
L2	18 S L1 AND COLLAGEN BINDING PROTEIN
L3	14 DUP REM L2 (4 DUPLICATES REMOVED)
L4	14 S PATTI, JOSEPH/AU
L5	14 DUP REM L4 (0 DUPLICATES REMOVED)
L6	19 S HOUSE-POMPEO, KAREN/AU
L7	11 DUP REM L6 (8 DUPLICATES REMOVED)

1

ACCESSION NUMBER: 2001:534391 BIOSIS
 DOCUMENT NUMBER: PREV200100534391
 TITLE: **Collagen binding protein**
 compositions and methods of use.
 AUTHOR(S): **Hook, Magnus**; Patti, Joseph M. (1); House-Pompeo,
 Karen; Sthanam, Narayana; Symersky, Jindrich
 CORPORATE SOURCE: (1) Missouri City, TX USA
 ASSIGNEE: Texas A&M University Systems, College Station,
 TX, USA
 PATENT INFORMATION: US 6288214 September 11, 2001
 SOURCE: Official Gazette of the United States Patent and Trademark
 Office Patents, (Sep. 11, 2001) Vol. 1250, No. 2, pp. No
 Pagination. e-file.
 ISSN: 0098-1133.
 DOCUMENT TYPE: Patent
 LANGUAGE: English

L3 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:713175 CAPLUS
 DOCUMENT NUMBER: 135:271897
 TITLE: Cross-reactive displacing antibodies from
collagen-binding proteins
 and method of identification and use
 INVENTOR(S): **Hook, Magnus**; Xu, Yi; Speziale, Pietro;
 Visai, Livia; Casolini, Fabrizia; Patti, Joseph;
 Patel, Pratiksha; Domanski, Paul
 PATENT ASSIGNEE(S): Inhibitex, Inc., USA; Texas A + M University System;
 Universita' Degli Studi di Pavia
 SOURCE: PCT Int. Appl., 107 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001070267	A1	20010927	WO 2001-US8554	20010319
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,			
	CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM,			
	HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,			
	LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO,			
	RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN,			
	YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,			
	DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,			
	BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
PRIORITY APPLN. INFO.:			US 2000-189968	P 20000317
			US 2000-199370	P 20000425
			US 2000-225402	P 20000815
REFERENCE COUNT:	4	THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L3 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2000:814496 CAPLUS
 DOCUMENT NUMBER: 133:366397
 TITLE: **Collagen-binding proteins**
 from enterococcal bacteria for prevention of infection
 INVENTOR(S): Rich, Rebecca L.; Kriekemeyer, Bernd; Owens, Richard
 T.; **Hook, Magnus**; Murray, Barbara E.;
 Nallapareddy, Sreedhar R.; Qin, Xiang; Weinstock,
 George M.; Singh, Kvindra V.; Duh, Ruay-wang

PATENT ASSIGNEE(S): The Texas A & M University System, USA; University of Texas Medical School
 SOURCE: PCT Int. Appl., 148 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000068242	A1	20001116	WO 2000-US12590	20000510
W:		AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		
RW:		GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG		
EP 1177203	A1	20020206	EP 2000-935885	20000510
R:		AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO		

PRIORITY APPLN. INFO.: US 1999-133334 P 19990510
 WO 2000-US12590 W 20000510
 REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2000:161169 CAPLUS
 DOCUMENT NUMBER: 132:212703
 TITLE: Multicomponent vaccines for prevention of staphylococcal infections
 INVENTOR(S): Patti, Joseph M.; Foster, Timothy J.; **Hook, Magnus**
 PATENT ASSIGNEE(S): Inhibitex, Inc., USA; The Texas A & M University System; The Provost Fellows and Scholars of the College of the Holy and Undivided Trinity of Queen Elizabeth Near Dublin
 SOURCE: PCT Int. Appl., 115 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000012131	A1	20000309	WO 1999-US19727	19990831
W:		AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		
RW:		GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG		
AU 9955889	A1	20000321	AU 1999-55889	19990831
EP 1109577	A1	20010627	EP 1999-942533	19990831
R:		AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI		
BR 9913340	A	20011106	BR 1999-13340	19990831

PRIORITY APPLN. INFO.: US 1998-98439 P 19980831
WO 1999-US19727 W 19990831
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2001:15307 CAPLUS
DOCUMENT NUMBER: 134:177050
TITLE: Monoclonal antibodies to CNA, a collagen-binding
microbial surface component recognizing adhesive
matrix molecules, detach Staphylococcus aureus from a
collagen substrate
AUTHOR(S): Visai, Livia; Xu, Yi; Casolini, Fabrizia; Rindi,
Simonetta; **Hook, Magnus**; Speziale, Pietro
CORPORATE SOURCE: Department of Biochemistry, University of Pavia,
Pavia, I-27100, Italy
SOURCE: J. Biol. Chem. (2000), 275(51), 39837-39845
CODEN: JBCHA3; ISSN: 0021-9258
PUBLISHER: American Society for Biochemistry and Molecular
Biology
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 6 OF 14 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
2
ACCESSION NUMBER: 2000:112864 BIOSIS
DOCUMENT NUMBER: PREV200000112864
TITLE: Novel fold and assembly of the repetitive B region of the
Staphylococcus aureus collagen-binding surface protein.
AUTHOR(S): Deivanayagam, Champion C. S.; Rich, Rebecca L.; Carson,
Mike; Owens, Rick T.; Danthuluri, Sita; Bice, Todd;
Hook, Magnus; Narayana, Sthanam V. L. (1)
CORPORATE SOURCE: (1) Center for Macromolecular Crystallography, School of
Optometry, 250 BHSB, University of Alabama at Birmingham,
1918 University Boulevard, Birmingham, AL, 35294-0005 USA
SOURCE: Structure (London), (Jan. 15, 2000) Vol. 8, No. 1, pp.
67-78.
ISSN: 0969-2126.
DOCUMENT TYPE: Article
LANGUAGE: English
SUMMARY LANGUAGE: English

L3 ANSWER 7 OF 14 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
3
ACCESSION NUMBER: 1999:442976 BIOSIS
DOCUMENT NUMBER: PREV199900442976
TITLE: Trench-shaped binding sites promote multiple classes of
interactions between collagen and the adherence receptors,
alpha1beta1 integrin and Staphylococcus aureus Cna MSCRAMM.
AUTHOR(S): Rich, Rebecca L. (1); Deivanayagam, Champion C. S.; Owens,
Rick T.; Carson, Michael; Hook, Agneta; Moore, Dwight;
Yang, Vivian W.-C.; Sthanam; Narayana, V. L.; **Hook,
Magnus**
CORPORATE SOURCE: (1) Center for Extracellular Matrix Biology, Institute of
Biosciences and Technology, Texas A and M University,
Houston, TX, 77030 USA
SOURCE: Journal of Biological Chemistry, (Aug. 27, 1999) Vol. 274,
No. 35, pp. 24906-24913.
ISSN: 0021-9258.
DOCUMENT TYPE: Article
LANGUAGE: English
SUMMARY LANGUAGE: English

L3 ANSWER 8 OF 14 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
4

ACCESSION NUMBER: 1999:134490 BIOSIS
DOCUMENT NUMBER: PREV199900134490
TITLE: Crystallization and preliminary X-ray analysis of B-domain fragments of a Staphylococcus aureus **collagen-binding protein**.
AUTHOR(S): Deivanayagam, Champion C. S.; Rich, Rebecca L.; Danthuluri, Sita; Owens, Rick T.; Patti, Joseph M.; **Hook, Magnus**; Delucas, Lawrence J.; Narayana, Sthanam V. L.
(1)
CORPORATE SOURCE: (1) Center Macromolecular Crystallography, Sch. Optometry, Univ. Ala. Birm., 286 BHSB, 1918 University Blvd., Birmingham, AL 35294-0005 USA
SOURCE: Acta Crystallographica Section D Biological Crystallography, (Feb., 1999) Vol. 55, No. 2, pp. 525-527. ISSN: 0907-4449.
DOCUMENT TYPE: Article
LANGUAGE: English

L3 ANSWER 9 OF 14 USPATFULL

ACCESSION NUMBER: 1998:159728 USPATFULL
TITLE: **Collagen binding protein** as well as its preparation
INVENTOR(S): Guss, Bengt, Uppsala, Sweden
Hook, Magnus, Birmingham, AL, United States
Jonsson, Hans, Uppsala, Sweden
Lindberg, Martin, Uppsala, Sweden
Patti, Joseph, Birmingham, AL, United States
Signas, Christer, Uppsala, Sweden
Switalski, Lech, Birmingham, AL, United States
PATENT ASSIGNEE(S): Alfa Laval AB, Tumba, Sweden (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5851794		19981222
APPLICATION INFO.:	US 1995-447031		19950522 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1992-861804, filed on 21 Aug 1992, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	SE 1990-3374	19901022
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Wax, Robert A.	
ASSISTANT EXAMINER:	Slobodyansky, Elizabeth	
LEGAL REPRESENTATIVE:	Burns, Doane, Swecker & Mathis	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	17 Drawing Figure(s); 14 Drawing Page(s)	
LINE COUNT:	1233	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L3 ANSWER 10 OF 14 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1999:48316 BIOSIS
DOCUMENT NUMBER: PREV199900048316
TITLE: Surface protein adhesins of Staphylococcus aureus.
AUTHOR(S): Foster, Timothy J. (1); **Hook, Magnus**
CORPORATE SOURCE: (1) Microbiol. Dep., Moyne Inst. Preventive Med., Trinity Coll., Dublin 2 Ireland
SOURCE: Trends in Microbiology, (Dec., 1998) Vol. 6, No. 12, pp. 484-488.

ISSN: 0966-842X.

DOCUMENT TYPE: General Review
LANGUAGE: English

L3 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1997:757033 CAPLUS

DOCUMENT NUMBER: 128:47296

TITLE: **Collagen binding protein**
compositions and methods of use

INVENTOR(S): **Hook, Magnus**; Patti, Joseph M.; House
Pompeo, Karen; Sthanam, Narayana; Symersky, Jindrich
PATENT ASSIGNEE(S): Texas A & M University System, USA; Uab Research
Foundation; Hook, Magnus; Patti, Joseph M.;
House-Pompeo, Karen; Sthanam, Narayana; Symersky,
Jindrich

SOURCE: PCT Int. Appl., 143 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9743314	A2	19971120	WO 1997-US8210	19970514
WO 9743314	A3	19971224		
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
AU 9731260	A1	19971205	AU 1997-31260	19970514
EP 950068	A2	19991020	EP 1997-926514	19970514
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
US 6288214	B1	20010911	US 1997-856253	19970514
PRIORITY APPLN. INFO.:			US 1996-17678	P 19960516
			WO 1997-US8210	W 19970514

L3 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1992:528130 CAPLUS

DOCUMENT NUMBER: 117:128130

TITLE: **A collagen-binding protein**
from Staphylococcus aureus and its preparation

INVENTOR(S): Guss, Bengt Mikael; **Hook, Magnus**; Jonsson,
Hans; Lindberg, Kjell Martin; Patti, Joseph; Signaes,
Lars Christer; Switalski, Lech M.

PATENT ASSIGNEE(S): Alfa-Laval Agri International Aktiebolag, Swed.

SOURCE: PCT Int. Appl., 44 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9207002	A1	19920430	WO 1991-SE707	19911022
W:	AU, CA, FI, HU, JP, NO, US			
RW:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE			
CA 2071950	AA	19920423	CA 1991-2071950	19911022

AU 9187518	A1	19920520	AU 1991-87518	19911022
AU 652587	B2	19940901		
EP 506923	A1	19921007	EP 1991-918842	19911022
EP 506923	B1	19960619		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
JP 05505943	T2	19930902	JP 1991-517169	19911022
HU 64369	A2	19931228	HU 1992-2074	19911022
AT 139541	E	19960715	AT 1991-918842	19911022
ES 2090357	T3	19961016	ES 1991-918842	19911022
HU 219679	B	20010628	HU 1974-92020	19911022
FI 9202865	A	19920618	FI 1992-2865	19920618
NO 9202421	A	19920820	NO 1992-2421	19920619
US 5851794	A	19981222	US 1995-447031	19950522
NO 9700113	A	19970110	NO 1997-113	19970110
PRIORITY APPLN. INFO.:			SE 1990-3374	A 19901022
			WO 1991-SE707	A 19911022
			US 1992-861804	B1 19920821

L3 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1993:163505 CAPLUS
 DOCUMENT NUMBER: 118:163505
 TITLE: Molecular characterization and expression of a gene encoding a Staphylococcus aureus collagen adhesin
 AUTHOR(S): Patti, Joseph M.; Jonsson, Hans; Guss, Bengt; Switalski, Lech M.; Wiberg, Kristina; Lindberg, Martin; **Hook, Magnus**
 CORPORATE SOURCE: Dep. Biochem., Univ. Alabama, Birmingham, AL, 35294-0005, USA
 SOURCE: J. Biol. Chem. (1992), 267(7), 4766-72
 CODEN: JBCHA3; ISSN: 0021-9258
 DOCUMENT TYPE: Journal
 LANGUAGE: English

L3 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1993:424183 CAPLUS
 DOCUMENT NUMBER: 119:24183
 TITLE: Collagen receptor of Staphylococcus aureus
 AUTHOR(S): Switalski, Lech M.; Butcher, Wade G.; Patti, Joseph M.; Speziale, Pietro; Gristina, Anthony G.; **Hook, Magnus**
 CORPORATE SOURCE: Univ. Pittsburgh, Pittsburgh, PA, 15261, USA
 SOURCE: Microb. Adhes. Invasion, [Proc. Symp.] (1992), Meeting Date 1990, 101-14. Editor(s): **Hook, Magnus; Switalski, Lech.** Springer: New York, N. Y.
 CODEN: 58SJAY
 DOCUMENT TYPE: Conference; General Review
 LANGUAGE: English

=>

ANSWER 1 OF 14 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:713175 CAPLUS
 DOCUMENT NUMBER: 135:271897
 TITLE: Cross-reactive displacing antibodies from
 collagen-binding proteins and method of identification
 and use
 INVENTOR(S): Hook, Magnus; Xu, Yi; Speziale, Pietro; Visai, Livia;
 Casolini, Fabrizia; **Patti, Joseph**; Patel,
 Pratiksha; Domanski, Paul
 PATENT ASSIGNEE(S): Inhibitex, Inc., USA; Texas A + M University System;
 Universita' Degli Studi di Pavia
 SOURCE: PCT Int. Appl., 107 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001070267	A1	20010927	WO 2001-US8554	20010319
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			US 2000-189968	P 20000317
			US 2000-199370	P 20000425
			US 2000-225402	P 20000815
REFERENCE COUNT:	4	THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L5 ANSWER 2 OF 14 USPATFULL
 ACCESSION NUMBER: 1998:159728 USPATFULL
 TITLE: Collagen binding protein as well as its preparation
 INVENTOR(S): Guss, Bengt, Uppsala, Sweden
 Hook, Magnus, Birmingham, AL, United States
 Jonsson, Hans, Uppsala, Sweden
 Lindberg, Martin, Uppsala, Sweden
Patti, Joseph, Birmingham, AL, United States
 Signas, Christer, Uppsala, Sweden
 Switalski, Lech, Birmingham, AL, United States
 PATENT ASSIGNEE(S): Alfa Laval AB, Tumba, Sweden (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5851794		19981222
APPLICATION INFO.:	US 1995-447031		19950522 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1992-861804, filed on 21 Aug 1992, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	SE 1990-3374	19901022
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Wax, Robert A.	
ASSISTANT EXAMINER:	Slobodyansky, Elizabeth	
LEGAL REPRESENTATIVE:	Burns, Doane, Swecker & Mathis	
NUMBER OF CLAIMS:	9	

EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 17 Drawing Figure(s); 14 Drawing Page(s)
LINE COUNT: 1233
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1992:528130 CAPLUS
DOCUMENT NUMBER: 117:128130
TITLE: A collagen-binding protein from Staphylococcus aureus
and its preparation
INVENTOR(S): Guss, Bengt Mikael; Hook, Magnus; Jonsson, Hans;
Lindberg, Kjell Martin; **Patti, Joseph**;
Signaes, Lars Christer; Switalski, Lech M.
PATENT ASSIGNEE(S): Alfa-Laval Agri International Aktiebolag, Swed.
SOURCE: PCT Int. Appl., 44 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9207002	A1	19920430	WO 1991-SE707	19911022
W: AU, CA, FI, HU, JP, NO, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
CA 2071950	AA	19920423	CA 1991-2071950	19911022
AU 9187518	A1	19920520	AU 1991-87518	19911022
AU 652587	B2	19940901		
EP 506923	A1	19921007	EP 1991-918842	19911022
EP 506923	B1	19960619		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
JP 05505943	T2	19930902	JP 1991-517169	19911022
HU 64369	A2	19931228	HU 1992-2074	19911022
AT 139541	E	19960715	AT 1991-918842	19911022
ES 2090357	T3	19961016	ES 1991-918842	19911022
HU 219679	B	20010628	HU 1974-92020	19911022
FI 9202865	A	19920618	FI 1992-2865	19920618
NO 9202421	A	19920820	NO 1992-2421	19920619
US 5851794	A	19981222	US 1995-447031	19950522
NO 9700113	A	19970110	NO 1997-113	19970110
PRIORITY APPLN. INFO.:			SE 1990-3374	A 19901022
			WO 1991-SE707	A 19911022
			US 1992-861804	B1 19920821

L5 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1980:525945 CAPLUS
DOCUMENT NUMBER: 93:125945
TITLE: Effect of triiodothyronine and reserpine on induction
and growth of mammary tumors in rats by
3-methylcholanthrene
AUTHOR(S): Gerard, Serge St.; Gardner, Bernard; **Patti,**
Joseph; Husain, Vafarul; Shouten, Jeffrey;
Alfonso, Antonio E.
CORPORATE SOURCE: Downstate Med. Cent., State Univ. New York, Brooklyn,
NY, 11203, USA
SOURCE: J. Surg. Oncol. (1980), 14(3), 213-18
CODEN: JSONAU; ISSN: 0022-4790
DOCUMENT TYPE: Journal
LANGUAGE: English

L5 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1978:575774 CAPLUS
DOCUMENT NUMBER: 89:175774

TITLE: Prevention of hepatic metastases by intravenous radioactive gold
AUTHOR(S): Alfonso, Antonio E.; Hassan, Ali; Gardner, Bernard; Stein, Sidney; **Patti, Joseph**; Solomon, Nathan A.; McCarthy, Joseph; Steigman, Joseph
CORPORATE SOURCE: Downstate Med. Cent., State Univ. New York, Brooklyn, N. Y., USA
SOURCE: Cancer Res. (1978), 38(9), 2740-4
CODEN: CNREA8; ISSN: 0008-5472
DOCUMENT TYPE: Journal
LANGUAGE: English

L5 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1978:102918 CAPLUS
DOCUMENT NUMBER: 88:102918
TITLE: The relationship of cholecystectomy and taurocholic acid feeding to bile composition and hepatocyte function in prairie dogs
AUTHOR(S): Gardner, Bernard; Chenouda, Michel; Dennis, Charles; **Patti, Joseph**
CORPORATE SOURCE: Downstate Med. Cent., State Univ. New York, Brooklyn, N. Y., USA
SOURCE: Am. J. Surg. (1978), 135(1), 40-7
CODEN: AJSUAB; ISSN: 0002-9610
DOCUMENT TYPE: Journal
LANGUAGE: English

L5 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1977:463484 CAPLUS
DOCUMENT NUMBER: 87:63484
TITLE: The effect of para-aminobenzoic acid and taurocholic acid feeding on human bile composition
AUTHOR(S): Gardner, Bernard; Dennis, Charles; **Patti, Joseph**; Chenouda, Michael
CORPORATE SOURCE: Downstate Med. Cent., State Univ. New York, Brooklyn, N. Y., USA
SOURCE: Surg., Gynecol. Obstet. (1977), 144(6), 879-82
CODEN: SGOBA9
DOCUMENT TYPE: Journal
LANGUAGE: English

L5 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1973:500726 CAPLUS
DOCUMENT NUMBER: 79:100726
TITLE: Effect of taurocholic acid and BSP [bromsulphalein] on conjugation patterns and suspension stability of human and rat bile
AUTHOR(S): Gardner, Bernard; Masur, Richard; **Patti, Joseph**; Ostrowitz, Arthur
CORPORATE SOURCE: Downstate Med. Cent., State Univ. New York, Brooklyn, N. Y., USA
SOURCE: Amer. J. Surg. (1973), 125(2), 204-10
CODEN: AJSUAB
DOCUMENT TYPE: Journal
LANGUAGE: English

L5 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1972:125008 CAPLUS
DOCUMENT NUMBER: 76:125008
TITLE: Effect of .beta.-aminopropionitrile on tumor metastases in the rat
AUTHOR(S): Gordon, Mark; Zykorie, Stuart; Gardner, Bernard; **Patti, Joseph**; Gray, Henry
CORPORATE SOURCE: Downstate Med. Cent., State Univ. New York, Brooklyn,

SOURCE: N. Y., USA
 Cancer (Philadelphia) (1972), 29(2), 509-16
 CODEN: CANCAR
 DOCUMENT TYPE: Journal
 LANGUAGE: English

L5 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1975:122839 CAPLUS
 DOCUMENT NUMBER: 82:122839
 TITLE: Conjugation patterns of rat bile salts and their relationship to lithocholic acid stone dissolution
 AUTHOR(S): Masur, Richard; Gardner, Bernard; **Patti, Joseph**; Ostrowitz, Arthur
 CORPORATE SOURCE: Downstate Med. Cent., State Univ. New York, Brooklyn, N. Y., USA
 SOURCE: Surg. Forum (1972), 23, 358-9
 CODEN: SUFOAX
 DOCUMENT TYPE: Journal
 LANGUAGE: English

L5 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1972:54857 CAPLUS
 DOCUMENT NUMBER: 76:54857
 TITLE: Suspension stability of hepatic bile in patients receiving taurine and bromsulfophthalein (BSP)
 AUTHOR(S): Masur, Richard; **Patti, Joseph**; Gardner, Bernard
 CORPORATE SOURCE: Downstate Med. Cent., State Univ. New York, Brooklyn, N. Y., USA
 SOURCE: Surg. Forum (1971), 22, 373-6
 CODEN: SUFOAX
 DOCUMENT TYPE: Journal
 LANGUAGE: English

L5 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1970:496668 CAPLUS
 DOCUMENT NUMBER: 73:96668
 TITLE: Effects of parathyroid extract on tumor metastases and growth rate
 AUTHOR(S): Jones, Humphrey; Hedayati, Hossein; **Patti, Joseph**; Gardner, Bernard
 CORPORATE SOURCE: Downstate Med. Center, State Univ. of New York, Brooklyn, N. Y., USA
 SOURCE: Curr. Top. Surg. Res. (1970), Volume Date 1969, 2, 257-66
 CODEN: CTSRBR
 DOCUMENT TYPE: Journal
 LANGUAGE: English

L5 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1969:499806 CAPLUS
 DOCUMENT NUMBER: 71:99806
 TITLE: Effect of hypocalcemia and vitamin D-induced hypercalcemia on the incidence of metastases in rats
 AUTHOR(S): Jones, Humphrey; **Patti, Joseph**; Stark, Alan; Gardner, Bernard
 CORPORATE SOURCE: Downstate Med. Center, State Univ. of New York, Brooklyn, N. Y., USA
 SOURCE: Cancer (Philadelphia) (1969), 24(3), 532-4
 CODEN: CANCAR
 DOCUMENT TYPE: Journal
 LANGUAGE: English

L5 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1954:79249 CAPLUS
DOCUMENT NUMBER: 48:79249
ORIGINAL REFERENCE NO.: 48:13953g
TITLE: Mouse sarcoma 180 inhibition tests
AUTHOR(S): **Patti, Joseph**
SOURCE: Cancer Research (1953), (Suppl. 1), 65-7
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

=>

L7 ANSWER 1 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE

1

ACCESSION NUMBER: 2001:534391 BIOSIS
DOCUMENT NUMBER: PREV200100534391
TITLE: Collagen binding protein compositions and methods of use.
AUTHOR(S): Hook, Magnus; Patti, Joseph M. (1); **House-Pompeo, Karen;** Sthanam, Narayana; Symersky, Jindrich
CORPORATE SOURCE: (1) Missouri City, TX USA
ASSIGNEE: Texas A&M University Systems, College Station, TX, USA
PATENT INFORMATION: US 6288214 September 11, 2001
SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (Sep. 11, 2001) Vol. 1250, No. 2, pp. No Pagination. e-file.
ISSN: 0098-1133.
DOCUMENT TYPE: Patent
LANGUAGE: English

L7 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1997:757033 CAPLUS
DOCUMENT NUMBER: 128:47296
TITLE: Collagen binding protein compositions and methods of use
INVENTOR(S): Hook, Magnus; Patti, Joseph M.; **House Pompeo, Karen;** Sthanam, Narayana; Symersky, Jindrich
PATENT ASSIGNEE(S): Texas A & M University System, USA; Uab Research Foundation; Hook, Magnus; Patti, Joseph M.; House-Pompeo, Karen; Sthanam, Narayana; Symersky, Jindrich
SOURCE: PCT Int. Appl., 143 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9743314	A2	19971120	WO 1997-US8210	19970514
WO 9743314	A3	19971224		
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
AU 9731260	A1	19971205	AU 1997-31260	19970514
EP 950068	A2	19991020	EP 1997-926514	19970514
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
US 6288214	B1	20010911	US 1997-856253	19970514
PRIORITY APPLN. INFO.:			US 1996-17678 P	19960516
			WO 1997-US8210 W	19970514

L7 ANSWER 3 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE

2

ACCESSION NUMBER: 1997:496500 BIOSIS
DOCUMENT NUMBER: PREV199799795703
TITLE: Structure of the collagen-binding domain from a Staphylococcus aureus adhesin.
AUTHOR(S): Symersky, Jindrich; Patti, Joseph M.; Carson, Mike; **House-Pompeo, Karen;** Teale, Michael; Moore, Dwight;

Jin, Lei; Schneider, Amy; Delucas, Lawrence J.; Hook, Magnus; Narayana, Sthanam V. L. (1)
CORPORATE SOURCE: (1) Cent. Macromolecular Crystallography, Univ. Ala. at Birmingham, Birmingham, AL 35294 USA
SOURCE: Nature Structural Biology, (1997) Vol. 4, No. 10, pp. 833-838.
ISSN: 1072-8368.
DOCUMENT TYPE: Article
LANGUAGE: English

L7 ANSWER 4 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
3
ACCESSION NUMBER: 1997:361708 BIOSIS
DOCUMENT NUMBER: PREV199799653641
TITLE: Characterization of the interaction between the Staphylococcus aureus clumping factor (ClfA) and fibrinogen.
AUTHOR(S): McDevitt, Damien; Nanavaty, Tamanna; **House-Pompeo, Karen**; Bell, Ewen; Turner, Nancy; McIntire, Larry; Foster, Timothy; Hook, Magnus (1)
CORPORATE SOURCE: (1) Inst. Biosciences Technol., 2121 West Holcombe Blvd., Houston, TX 77030-3303 USA
SOURCE: European Journal of Biochemistry, (1997) Vol. 247, No. 1, pp. 416-424.
ISSN: 0014-2956.
DOCUMENT TYPE: Article
LANGUAGE: English

L7 ANSWER 5 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
4
ACCESSION NUMBER: 1996:113636 BIOSIS
DOCUMENT NUMBER: PREV199698685771
TITLE: Conformational changes in the fibronectin binding MSCRAMMs are induced by ligand binding.
AUTHOR(S): **House-Pompeo, Karen (1)**; Xu, Yun; Joh, Danny; Speziale, Pietro; Hook, Magnus
CORPORATE SOURCE: (1) Cent. Extracellular Matrix Biol., Inst. Biosci. Technol., Tex. A and M Univ., Houston, TX 77030 USA
SOURCE: Journal of Biological Chemistry, (1996) Vol. 271, No. 3, pp. 1379-1384.
ISSN: 0021-9258.
DOCUMENT TYPE: Article
LANGUAGE: English

L7 ANSWER 6 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
5
ACCESSION NUMBER: 1996:113635 BIOSIS
DOCUMENT NUMBER: PREV199698685770
TITLE: A monoclonal antibody enhances ligand binding of fibronectin MSCRAMM (adhesion) from Streptococcus dysgalactiae.
AUTHOR(S): Speziale, Pietro; Joh, Danny; Visai, Livia; Bozzini, Silvia; **House-Pompeo, Karen**; Lindberg, Martin; Hook, Magnus (1)
CORPORATE SOURCE: (1) Cent. Extracellular Matrix Biol., Inst. Biosci. Technol., Tex. A and M Univ., Houston, TX 77030 USA
SOURCE: Journal of Biological Chemistry, (1996) Vol. 271, No. 3, pp. 1371-1378.
ISSN: 0021-9258.
DOCUMENT TYPE: Article
LANGUAGE: English

L7 ANSWER 7 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
6

ACCESSION NUMBER: 1995:308952 BIOSIS
DOCUMENT NUMBER: PREV199598323252
TITLE: Critical Residues in the Ligand-binding Site of the
Staphylococcus aureus Collagen-binding Adhesin (MSCRAMM.
AUTHOR(S): Patti, Joseph M. (1); **House-Pompeo, Karen**; Boles,
Jeffrey O.; Garza, Norma; Gurusiddappa, S.; Hook, Magnus
CORPORATE SOURCE: (1) Albert B. Alkek Inst. Biosci. Technol., Texas A and M
Univ., 2121 W. Holcombe Blvd., Houston, TX 77030 USA
SOURCE: Journal of Biological Chemistry, (1995) Vol. 270, No. 20,
pp. 12005-12011.
ISSN: 0021-9258.
DOCUMENT TYPE: Article
LANGUAGE: English

L7 ANSWER 8 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1995:521252 BIOSIS
DOCUMENT NUMBER: PREV199598535552
TITLE: Binding properties of recombinant human monoclonal
antiphospholipid antibodies determined by surface plasmon
resonance.
AUTHOR(S): Myonmes, Barry L. (1); **House-Pompeo, Karen**;
Voigin, Andrei Y. (1); Antonov, Ilya V. (1); Roubey, Robert
A. S.; Peterson, Loren H. (1)
CORPORATE SOURCE: (1) Baylor Coll. Med., Houston, TX 77030 USA
SOURCE: Arthritis & Rheumatism, (1995) Vol. 38, No. 9 SUPPL., pp.
S277.
Meeting Info.: 59th National Scientific Meeting of the
American College of Rheumatology and the 30th National
Scientific Meeting of the Association of Rheumatology
Health Professionals San Francisco, California, USA October
21-26, 1995
ISSN: 0004-3591.
DOCUMENT TYPE: Conference
LANGUAGE: English

L7 ANSWER 9 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
7
ACCESSION NUMBER: 1994:320107 BIOSIS
DOCUMENT NUMBER: PREV199497333107
TITLE: Fibronectin receptors from gram-positive bacteria:
Comparison of active sites.
AUTHOR(S): Joh, Hyeon J. (1); **House-Pompeo, Karen**; Patti,
Joseph M.; Gurusiddappa, S.; Hook, Magnus
CORPORATE SOURCE: (1) Center Extracellular Matrix Biol., Albert B Alkek Inst.
Biosci. Technol., Texas A M Univ., 2121 West Holcombe
Boulevard, Houston, TX 77030 USA
SOURCE: Biochemistry, (1994) Vol. 33, No. 20, pp. 6086-6092.
ISSN: 0006-2960.
DOCUMENT TYPE: Article
LANGUAGE: English

L7 ANSWER 10 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
8
ACCESSION NUMBER: 1994:500697 BIOSIS
DOCUMENT NUMBER: PREV199497513697
TITLE: Characterization of bacterial adhesin interactions with
extracellular matrix components utilizing biosensor
technology.
AUTHOR(S): **House-Pompeo, Karen** (1); Boles, Jeffrey Oakley;
Hook, Magnus
CORPORATE SOURCE: (1) Center Extracellular Matrix Biol., Inst. Biosci.
Technology, Texas A and M Univ., 2121 West Holcombe Blvd.,
Houston, TX 77030 USA
SOURCE: Methods (Orlando), (1994) Vol. 6, No. 2, pp. 134-142.

ISSN: 1046-2023.
DOCUMENT TYPE: Article
LANGUAGE: English

L7 ANSWER 11 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1994:330422 BIOSIS
DOCUMENT NUMBER: PREV199497343422
TITLE: Comparison of fibronectin receptors from gram-positive bacteria.
AUTHOR(S): Joh, Hyeon J. (1); **House-Pompeo, Karen**; Patti, Joseph M.; Gurusiddappa, S.; Hook, Mgnus
CORPORATE SOURCE: (1) Inst. Biosci. Technol., Texas A and M Univ., Houston, TX USA
SOURCE: Abstracts of the General Meeting of the American Society for Microbiology, (1994) Vol. 94, No. 0, pp. 62.
Meeting Info.: 94th General Meeting of the American Society for Microbiology Las Vegas, Nevada, USA May 23-27, 1994
ISSN: 1060-2011.
DOCUMENT TYPE: Conference
LANGUAGE: English

=>

(FILE 'HOME' ENTERED AT 13:03:07 ON 28 FEB 2002)

FILE 'BIOSIS, CABA, CAPLUS, EMBASE, LIFESCI, MEDLINE, SCISEARCH,
USPATFULL, JAPIO' ENTERED AT 13:05:11 ON 28 FEB 2002

L1	302 S COLLAGEN BINDING PROTEINS
L2	68 S L1 AND ANTIBODIES
L3	40 S L1 AND ANTISERA
L4	23 DUP REM L2 (45 DUPLICATES REMOVED)
L5	10 DUP REM L3 (30 DUPLICATES REMOVED)

L4 ANSWER 1 OF 23 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:713175 CAPLUS

DOCUMENT NUMBER: 135:271897

TITLE: Cross-reactive displacing **antibodies** from
collagen-binding proteins

and method of identification and use

INVENTOR(S): Hook, Magnus; Xu, Yi; Speziale, Pietro; Visai, Livia;
Casolini, Fabrizia; Patti, Joseph; Patel, Pratiksha;
Domanski, Paul

PATENT ASSIGNEE(S): Inhibitex, Inc., USA; Texas A + M University System;
Universita' Degli Studi di Pavia

SOURCE: PCT Int. Appl., 107 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001070267	A1	20010927	WO 2001-US8554	20010319

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,
LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO,
RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN,
YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2000-189968 P 20000317

US 2000-199370 P 20000425

US 2000-225402 P 20000815

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 23 USPATFULL

ACCESSION NUMBER: 2001:144913 USPATFULL

TITLE: NOVEL ADHERENCE FACTORS OF NON PATHOGENIC
MICROORGANISMS AND APPLICATIONS THEREOF FOR SCREENING
MICROORGANISMS FOR SPECIFIC PROBIOTIC PROPERTIES; NOVEL
PHARMACEUTICAL COMPOSITIONS AND FOOD ADDITIVES

INVENTOR(S): COMPRISING SUCH MICROORGANISMS AND ADHERENCE FACTORS
LEER, ROBERT JAN, VOORBURG, Netherlands

POUWELS, PIETER HENDRIK, RIJSWIJK, Netherlands

CONWAY, PATRICIA LYNNE, LE PEROUSE NSW, Australia

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001018048	A1	20010830
APPLICATION INFO.:	US 1998-51755	A1	19980930 (9)
	WO 1996-NL409		19961021
			None PCT 102(e) date

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: YOUNG & THOMPSON, 745 SOUTH 23RD STREET 2ND FLOOR,
ARLINGTON, VA, 22202

NUMBER OF CLAIMS: 39

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 9 Drawing Page(s)

LINE COUNT: 1329

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 3 OF 23 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE

1

ACCESSION NUMBER: 2001:397317 BIOSIS
 DOCUMENT NUMBER: PREV200100397317
 TITLE: Cell type-dependent collagen-type recognition by cell receptors.
 AUTHOR(S): Sadofiev, L. A. (1); Nikolaenko, N. S.; Kalmykova, N. V.; Podgornaya, O. I.
 CORPORATE SOURCE: (1) Institute of Cytology, RAS, Tikhoretsky pr. 4, 194064, St Petersburg Russia
 SOURCE: Cell Biology International, (2001) Vol. 25, No. 7, pp. 643-648. print.
 ISSN: 1065-6995.
 DOCUMENT TYPE: Article
 LANGUAGE: English
 SUMMARY LANGUAGE: English

L4 ANSWER 4 OF 23 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:814496 CAPLUS
 DOCUMENT NUMBER: 133:366397
 TITLE: **Collagen-binding proteins**
 from enterococcal bacteria for prevention of infection
 INVENTOR(S): Rich, Rebecca L.; Kriekemeyer, Bernd; Owens, Richard T.; Hook, Magnus; Murray, Barbara E.; Nallapareddy, Sreedhar R.; Qin, Xiang; Weinstock, George M.; Singh, Kvindra V.; Duh, Ruay-wang
 PATENT ASSIGNEE(S): The Texas A & M University System, USA; University of Texas Medical School
 SOURCE: PCT Int. Appl., 148 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000068242	A1	20001116	WO 2000-US12590	20000510
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
EP 1177203	A1	20020206	EP 2000-935885	20000510
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			

PRIORITY APPLN. INFO.:

US 1999-133334 P 19990510

WO 2000-US12590 W 20000510

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 23 USPATFULL

ACCESSION NUMBER: 1998:42242 USPATFULL
 TITLE: Cartilage matrix protein and methods for use
 INVENTOR(S): Goetinck, Paul F., Boston, MA, United States
 Tondravi, Mehrdad, Marshfield, MA, United States
 PATENT ASSIGNEE(S): The General Hospital Corporation, Boston, MA, United States (U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 5741670 19980421
 APPLICATION INFO.: US 1995-463180 19950605 (8)
 RELATED APPLN. INFO.: Division of Ser. No. US 1993-6096, filed on 15 Jan 1993, now abandoned which is a continuation-in-part of Ser. No. US 1992-866403, filed on 10 Apr 1992, now abandoned
 DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Wax, Robert A.
 ASSISTANT EXAMINER: Nashed, Nashaat T.
 LEGAL REPRESENTATIVE: Myers, LouisLahive & Cockfield
 NUMBER OF CLAIMS: 7
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 3 Drawing Figure(s); 2 Drawing Page(s)
 LINE COUNT: 1015
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 6 OF 23 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1997:757033 CAPLUS
 DOCUMENT NUMBER: 128:47296
 TITLE: Collagen binding protein compositions and methods of use
 INVENTOR(S): Hook, Magnus; Patti, Joseph M.; House Pompeo, Karen; Sthanam, Narayana; Symersky, Jindrich
 PATENT ASSIGNEE(S): Texas A & M University System, USA; Uab Research Foundation; Hook, Magnus; Patti, Joseph M.; House-Pompeo, Karen; Sthanam, Narayana; Symersky, Jindrich
 SOURCE: PCT Int. Appl., 143 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9743314	A2	19971120	WO 1997-US8210	19970514
WO 9743314	A3	19971224		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9731260	A1	19971205	AU 1997-31260	19970514
EP 950068	A2	19991020	EP 1997-926514	19970514
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
US 6288214	B1	20010911	US 1997-856253	19970514
PRIORITY APPLN. INFO.: US 1996-17678 P 19960516				
WO 1997-US8210 W 19970514				

L4 ANSWER 7 OF 23 USPATFULL
 ACCESSION NUMBER: 97:104092 USPATFULL
 TITLE: Cartilage matrix protein and methods for use
 INVENTOR(S): Goetinck, Paul F., Boston, MA, United States
 Tondravi, Mehrdad, Marshfield, MA, United States
 PATENT ASSIGNEE(S): The General Hospital Corporation, Boston, MA, United States (U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 5686059 19971111
APPLICATION INFO.: US 1995-462128 19950605 (8)
RELATED APPLN. INFO.: Continuation of Ser. No. US 1993-6096, filed on 15 Jan
1993, now abandoned which is a continuation-in-part of
Ser. No. US 1992-866403, filed on 10 Apr 1992, now
abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Wax, Robert A.
ASSISTANT EXAMINER: Nashed, Nashaat T.
LEGAL REPRESENTATIVE: Myers, LouisLahive & Cockfield
NUMBER OF CLAIMS: 4
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 3 Drawing Figure(s); 2 Drawing Page(s)
LINE COUNT: 986
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 8 OF 23 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
2

ACCESSION NUMBER: 1996:533763 BIOSIS
DOCUMENT NUMBER: PREV199699256119
TITLE: The alpha-2-beta-1 integrin is a necessary co-receptor for
collagen-induced activation of Syk and the subsequent
phosphorylation of phospholipase C-gamma-2 in platelets.
AUTHOR(S): Keely, Patricia J. (1); Parise, Leslie V.
CORPORATE SOURCE: (1) Dep. Pharmacol., CB 7365, 1106 FLOB, Univ. North
Carolina, Chapel Hil, NC 27599 USA
SOURCE: Journal of Biological Chemistry, (1996) Vol. 271, No. 43,
pp. 26668-26676.
ISSN: 0021-9258.
DOCUMENT TYPE: Article
LANGUAGE: English

L4 ANSWER 9 OF 23 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
3

ACCESSION NUMBER: 1996:71670 BIOSIS
DOCUMENT NUMBER: PREV199698643805
TITLE: Type IV **collagen-binding**
proteins of neutrophils: Possible involvement of
L-selectin in the neutrophil binding to type IV collagen.
AUTHOR(S): Iwabuchi, Kazuhisa (1); Nagaoka, Isao; Someya, Akimasa;
Yamashita, Tatsuhisa
CORPORATE SOURCE: (1) Dep. Biochem., Sch. Med., Juntendo Univ., Hongo,
Bunkyo-ku, Tokyo 113 Japan
SOURCE: Blood, (1996) Vol. 87, No. 1, pp. 365-372.
ISSN: 0006-4971.
DOCUMENT TYPE: Article
LANGUAGE: English

L4 ANSWER 10 OF 23 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
4

ACCESSION NUMBER: 1995:108483 BIOSIS
DOCUMENT NUMBER: PREV199598122783
TITLE: Role of **antibodies** against fibronectin-,
collagen-binding proteins and
alphatoxin in experimental Staphylococcus aureus
peritonitis and septicaemia in neutropenic mice.
AUTHOR(S): Rozalska, B.; Wadstrom, T. (1)
CORPORATE SOURCE: (1) Dep. Med. Microbiol., Univ. Lund, Solvegatan 23, S-223
62 Lund Sweden
SOURCE: Zentralblatt fuer Bakteriologie, (1994) Vol. 281, No. 4,
pp. 495-501.
ISSN: 0934-8840.

DOCUMENT TYPE: Article
LANGUAGE: English

L4 ANSWER 11 OF 23 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1995:573199 CAPLUS
DOCUMENT NUMBER: 123:6946
TITLE: Possible role of bacterial cell surface proteins
capable of binding with laminin and collagen as
adherence factors in infection
AUTHOR(S): Kondo, Isamu; Yoshizawa, Yukio; Yamaguchi, Masashi
CORPORATE SOURCE: Research Center, Taisho Pharmaceutical Co., Ltd.,
Ohmiya, 330, Japan
SOURCE: Zentralbl. Bakteriол., Suppl. (1994), 27 (Molecular
Pathogenesis of Surgical Infections), 145-58
CODEN: ZBASE2; ISSN: 0941-018X
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 12 OF 23 USPATFULL

ACCESSION NUMBER: 93:100503 USPATFULL
TITLE: Enhanced suturing and means therefor
INVENTOR(S): Agrez, Michael V., 23 Wrighton Avenue, Bar Beach,
Newcastle, New South Wales, 2300, Australia

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5266327		19931130
APPLICATION INFO.:	US 1991-653348		19910208 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Page, Thurman K.		
ASSISTANT EXAMINER:	Gardner, Sally		
LEGAL REPRESENTATIVE:	Scully, Scott, Murphy & Presser		
NUMBER OF CLAIMS:	16		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 5 Drawing Page(s)		
LINE COUNT:	677		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 13 OF 23 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1993:470153 CAPLUS
DOCUMENT NUMBER: 119:70153
TITLE: Protective opsonic activity of **antibodies**
against fibronectin-binding proteins (FnBPs) of
Staphylococcus aureus
AUTHOR(S): Rozalska, B.; Wadstroem, T.
CORPORATE SOURCE: Dep. Med. Microbiol., Univ. Lund, Lund, S-223 62,
Swed.
SOURCE: Scand. J. Immunol. (1993), 37(5), 575-80
CODEN: SJIMAX; ISSN: 0300-9475
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 14 OF 23 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC. DUPLICATE
5

ACCESSION NUMBER: 1992:188356 BIOSIS
DOCUMENT NUMBER: BA93:99306
TITLE: MOLECULAR CHARACTERIZATION AND EXPRESSION OF A GENE
ENCODING A STAPHYLOCOCCUS-AUREUS COLLAGEN ADHESIN.
AUTHOR(S): PATTI J M; JONSSONS H; GUSS B; SWITALSKI L M; WIBERG K;
LINDBERG M; HOOK M
CORPORATE SOURCE: DEP. BIOCHEM., UNIVERSITY ALABAMA, BIRMINGHAM, ALABAMA
35294-0005.
SOURCE: J BIOL CHEM, (1992) 267 (7), 4766-4772.

CODEN: JBCHA3. ISSN: 0021-9258.

FILE SEGMENT: BA; OLD
LANGUAGE: English

L4 ANSWER 15 OF 23 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
6

ACCESSION NUMBER: 1992:326696 BIOSIS
DOCUMENT NUMBER: BA94:28537
TITLE: VLA-2 IS THE INTEGRIN USED AS A COLLAGEN RECEPTOR BY
LEUKOCYTES.
AUTHOR(S): GOLDMAN R; HARVEY J; HOGG N
CORPORATE SOURCE: IMPERIAL CANCER RES. FUND LINCOLN'S INN FIELDS, LONDON WC2A
3PX, GREAT BRITAIN.
SOURCE: EUR J IMMUNOL, (1992) 22 (5), 1109-1114.
CODEN: EJIMAF. ISSN: 0014-2980.
FILE SEGMENT: BA; OLD
LANGUAGE: English

L4 ANSWER 16 OF 23 CABA COPYRIGHT 2002 CABI DUPLICATE 7

ACCESSION NUMBER: 94:74807 CABA
DOCUMENT NUMBER: 940803861
TITLE: Entamoeba histolytica **collagen**
binding proteins
AUTHOR: Rosales-Encina, J. L.; Campos-Salazar, M. S.;
Rojkind Matluk, M.
CORPORATE SOURCE: Departamento de Patologia Experimental,
CINVESTAV-IPN, Mexico, DF.
SOURCE: Archives of Medical Research, (1992) Vol. 23, No. 2,
pp. 109-113. 19 ref.
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 17 OF 23 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
8

ACCESSION NUMBER: 1990:157424 BIOSIS
DOCUMENT NUMBER: BA89:84842
TITLE: LAMININ INTERACTIONS WITH DUCTAL PANCREATIC ADENOCARCINOMA
CELLS IDENTIFICATION OF LAMININ AND **COLLAGEN-**
BINDING PROTEINS.
AUTHOR(S): MAI M; BRUNE K; JACOBY B; KERN H F; MOLLENHAUER J
CORPORATE SOURCE: INST. PHARMACOL. AND TOXICOL., UNIV. ERLANGEN-NUERNBERG,
D-8520 ERLANGEN, FRG.
SOURCE: J CELL SCI, (1990) 95 (1), 65-74.
CODEN: JNCSAI. ISSN: 0021-9533.
FILE SEGMENT: BA; OLD
LANGUAGE: English

L4 ANSWER 18 OF 23 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1989:569577 CAPLUS
DOCUMENT NUMBER: 111:169577
TITLE: The identification and characterization of collagen
receptors involved in HeLa cell-substratum adhesion
AUTHOR(S): Lu, Michael L.; Beacham, Dorothy A.; Jacobson, Bruce
S.
CORPORATE SOURCE: Dep. Biochem., Univ. Massachusetts, Amherst, MA,
01003, USA
SOURCE: J. Biol. Chem. (1989), 264(23), 13546-58
CODEN: JBCHA3; ISSN: 0021-9258
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 19 OF 23 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
9

ACCESSION NUMBER: 1990:172987 BIOSIS

DOCUMENT NUMBER: BA89:90157
TITLE: EMBRYONIC CHICKEN FIBROBLAST **COLLAGEN**
BINDING PROTEINS DISTRIBUTION ROLE IN
SUBSTRATUM ADHESION AND RELATIONSHIP TO INTEGRINS.
AUTHOR(S): OGLE R C; POTTS A J; YACOE M; LITTLE C D
CORPORATE SOURCE: DEP. ANAT. CELL BIOL., SCH. MED., BOX 439, MED. CENT.,
UNIV. VA., CHARLOTTESVILLE, VA 22703, USA.
SOURCE: J CELL SCI, (1989) 94 (2), 361-370.
CODEN: JNCSAI. ISSN: 0021-9533.
FILE SEGMENT: BA; OLD
LANGUAGE: English

L4 ANSWER 20 OF 23 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
10

ACCESSION NUMBER: 1988:458762 BIOSIS
DOCUMENT NUMBER: BA86:100481
TITLE: ISOLATION OF NONCOLLAGENOUS PROTEINS FROM GINGIVAL
CONNECTIVE TISSUE.
AUTHOR(S): SCHLAGENHAUF U; NARAYANAN A S; PAGE R C
CORPORATE SOURCE: DEP. PATHOL. SM 30, UNIV. WASH., SEATTLE, WASH. 98195, USA.
SOURCE: J DENT RES, (1988) 67 (8), 1109-1113.
CODEN: JDREAF. ISSN: 0022-0345.
FILE SEGMENT: BA; OLD
LANGUAGE: English

L4 ANSWER 21 OF 23 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
11

ACCESSION NUMBER: 1989:51337 BIOSIS
DOCUMENT NUMBER: BA87:27337
TITLE: IDENTIFICATION AND ISOLATION OF TRYPANOSOMA-CRUZI
TRYPOMASTIGOTE **COLLAGEN-BINDING**
PROTEINS POSSIBLE ROLE IN CELL-PARASITE
INTERACTION.
AUTHOR(S): VELGE P; OUAISSI M A; CORNETTE J; AFCHAIN D; CAPRON A
CORPORATE SOURCE: CENT. D'IMMUNOL. BIOL. PARASITAIRE, UNITE MIXTE INSERM U
167 - CNRS 624, INST. PASTEUR, 1 RUE DU PROFESSEUR A.
CALMETTE, 59019-LILLE CEDEX, FRANCE.
SOURCE: PARASITOLOGY, (1988) 97 (2), 255-268.
CODEN: PARAAE. ISSN: 0031-1820.
FILE SEGMENT: BA; OLD
LANGUAGE: English

L4 ANSWER 22 OF 23 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
12

ACCESSION NUMBER: 1988:354872 BIOSIS
DOCUMENT NUMBER: BA86:50350
TITLE: **COLLAGEN-BINDING PROTEINS** OF
RAT MAMMARY TUMOR EPITHELIAL CELLS A BIOCHEMICAL AND
IMMUNOLOGICAL STUDY.
AUTHOR(S): WIRL G; PFAFFLE M
CORPORATE SOURCE: INST. MOLEKULARBIOLOGIE OSTERREICHISCHEN AKADEMIE
WISSENSCHAFTEN, ABT. BIOLOGIE, A-5020 SALZBURG,
BILLROTHSTRASSE 11; AUSTRIA.
SOURCE: EXP CELL RES, (1988) 176 (1), 20-37.
CODEN: ECREAL. ISSN: 0014-4827.
FILE SEGMENT: BA; OLD
LANGUAGE: English

L4 ANSWER 23 OF 23 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
13

ACCESSION NUMBER: 1987:300400 BIOSIS
DOCUMENT NUMBER: BA84:30432
TITLE: **COLLAGEN-BINDING PROTEINS**
SECRETED BY TYPE II PNEUMOCYTES IN CULTURE.

AUTHOR(S): CROUCH E; LONGMORE W
CORPORATE SOURCE: DEP. PATHOL., JEWISH HOSP., 216 S. KINGSHIGHWAY, ST. LOUIS,
MO 63110, U.S.A.
SOURCE: BIOCHIM BIOPHYS ACTA, (1987) 924 (1), 81-86.
CODEN: BBACAQ. ISSN: 0006-3002.
FILE SEGMENT: BA; OLD
LANGUAGE: English

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L4 ANSWER 1 OF 8 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 ACCESSION NUMBER: 1992:188356 BIOSIS
 DOCUMENT NUMBER: BA93:99306
 TITLE: MOLECULAR CHARACTERIZATION AND EXPRESSION OF A GENE
 ENCODING A **STAPHYLOCOCCUS-AUREUS**
 COLLAGEN ADHESIN.
 AUTHOR(S): PATTI J M; JONSSONS H; GUSS B; SWITALSKI L M; WIBERG K;
 LINDBERG M; HOOK M
 CORPORATE SOURCE: DEP. BIOCHEM., UNIVERSITY ALABAMA, BIRMINGHAM, ALABAMA
 35294-0005.
 SOURCE: J BIOL CHEM, (1992) 267 (7), 4766-4772.
 CODEN: JBCHA3. ISSN: 0021-9258.
 FILE SEGMENT: BA; OLD
 LANGUAGE: English

L4 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:713175 CAPLUS
 DOCUMENT NUMBER: 135:271897
 TITLE: Cross-reactive displacing antibodies from
collagen-binding proteins
 and method of identification and use
 INVENTOR(S): Hook, Magnus; Xu, Yi; Speziale, Pietro; Visai, Livia;
 Casolini, Fabrizia; Patti, Joseph; Patel, Pratiksha;
 Domanski, Paul
 PATENT ASSIGNEE(S): Inhibitex, Inc., USA; Texas A + M University System;
 Universita' Degli Studi di Pavia
 SOURCE: PCT Int. Appl., 107 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001070267	A1	20010927	WO 2001-US8554	20010319
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			US 2000-189968	P 20000317
			US 2000-199370	P 20000425
			US 2000-225402	P 20000815
REFERENCE COUNT:	4	THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L4 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2000:814496 CAPLUS
 DOCUMENT NUMBER: 133:366397
 TITLE: **Collagen-binding proteins**
 from enterococcal bacteria for prevention of infection
 INVENTOR(S): Rich, Rebecca L.; Kriekemeyer, Bernd; Owens, Richard
 T.; Hook, Magnus; Murray, Barbara E.; Nallapareddy,
 Sreedhar R.; Qin, Xiang; Weinstock, George M.; Singh,
 Kvindra V.; Duh, Ruay-wang
 PATENT ASSIGNEE(S): The Texas A & M University System, USA; University of
 Texas Medical School
 SOURCE: PCT Int. Appl., 148 pp.
 CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000068242	A1	20001116	WO 2000-US12590	20000510

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 1999-133334 P 19990510
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1997:757033 CAPLUS
DOCUMENT NUMBER: 128:47296
TITLE: Collagen binding protein compositions and methods of use
INVENTOR(S): Hook, Magnus; Patti, Joseph M.; House Pompeo, Karen; Sthanam, Narayana; Symersky, Jindrich
PATENT ASSIGNEE(S): Texas A & M University System, USA; Uab Research Foundation; Hook, Magnus; Patti, Joseph M.; House-Pompeo, Karen; Sthanam, Narayana; Symersky, Jindrich
SOURCE: PCT Int. Appl., 143 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9743314	A2	19971120	WO 1997-US8210	19970514
WO 9743314	A3	19971224		

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG

AU 9731260	A1	19971205	AU 1997-31260	19970514
EP 950068	A2	19991020	EP 1997-926514	19970514

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI

US 6288214	B1	20010911	US 1997-856253	19970514
PRIORITY APPLN. INFO.:			US 1996-17678	P 19960516
			WO 1997-US8210	W 19970514

L4 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1993:163505 CAPLUS
DOCUMENT NUMBER: 118:163505
TITLE: Molecular characterization and expression of a gene encoding a **Staphylococcus aureus**

collagen adhesin
AUTHOR(S): Patti, Joseph M.; Jonsson, Hans; Guss, Bengt;
Switalski, Lech M.; Wiberg, Kristina; Lindberg,
Martin; Hook, Magnus
CORPORATE SOURCE: Dep. Biochem., Univ. Alabama, Birmingham, AL,
35294-0005, USA
SOURCE: J. Biol. Chem. (1992), 267(7), 4766-72
CODEN: JBCHA3; ISSN: 0021-9258
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 6 OF 8 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 92304017 EMBASE
DOCUMENT NUMBER: 1992304017
TITLE: Molecular characterization and expression of a gene
encoding a **Staphylococcus aureus**
collagen adhesin.
AUTHOR: Patti J.M.; Jonsson H.; Guss B.; Switalski L.M.; Wiberg K.;
Lindberg M.; Hook M.
CORPORATE SOURCE: Department of Biochemistry, University of
Alabama, Birmingham, AL 35294-0005, United States
SOURCE: Journal of Biological Chemistry, (1992) 267/7 (4766-4772).
ISSN: 0021-9258 CODEN: JBCHA3
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 004 Microbiology
LANGUAGE: English
SUMMARY LANGUAGE: English

L4 ANSWER 7 OF 8 MEDLINE
ACCESSION NUMBER: 92165839 MEDLINE
DOCUMENT NUMBER: 92165839 PubMed ID: 1311320
TITLE: Molecular characterization and expression of a gene
encoding a **Staphylococcus aureus**
collagen adhesin.
COMMENT: Erratum in: J Biol Chem 1994 Apr 15;269(15):11672
AUTHOR: Patti J M; Jonsson H; Guss B; Switalski L M; Wiberg K;
Lindberg M; Hook M
CORPORATE SOURCE: Department of Biochemistry, University of Alabama,
Birmingham 35294-0005.
CONTRACT NUMBER: A12062 (NHLBI)
HL47313
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (1992 Mar 5) 267 (7)
4766-72.
Journal code: HIV; 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-L01674; GENBANK-L01675; GENBANK-L01676;
GENBANK-L01677; GENBANK-M81736; GENBANK-M83325;
GENBANK-M83326; GENBANK-M83327; GENBANK-M83328;
GENBANK-M83368
ENTRY MONTH: 199204
ENTRY DATE: Entered STN: 19920417
Last Updated on STN: 19950206
Entered Medline: 19920402

L4 ANSWER 8 OF 8 SCISEARCH COPYRIGHT 2002 ISI (R)
ACCESSION NUMBER: 92:136894 SCISEARCH
THE GENUINE ARTICLE: HF642
TITLE: MOLECULAR CHARACTERIZATION AND EXPRESSION OF A GENE
ENCODING A **STAPHYLOCOCCUS-AUREUS**
COLLAGEN ADHESIN

AUTHOR: PATTI J M (Reprint); JONSSON H; GUSS B; SWITALSKI L M;
WIBERG K; LINDBERG M; HOOK M
CORPORATE SOURCE: UNIV ALABAMA, DEPT BIOCHEM, BIRMINGHAM, AL, 35294
(Reprint); UNIV ALABAMA, DEPT MICROBIOL, BIRMINGHAM, AL,
35294; SWEDISH UNIV AGR SCI, DEPT MICROBIOL, S-75007
UPPSALA, SWEDEN
COUNTRY OF AUTHOR: USA; SWEDEN
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (05 MAR 1992) Vol. 267,
No. 7, pp. 4766-4772.
ISSN: 0021-9258.
DOCUMENT TYPE: Article; Journal
FILE SEGMENT: LIFE
LANGUAGE: ENGLISH
REFERENCE COUNT: 39
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

=>

2 ANSWER 1 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 ACCESSION NUMBER: 1999:483536 BIOSIS
 DOCUMENT NUMBER: PREV199900483536
 TITLE: Ace is a collagen-binding MSCRAMM from *Enterococcus faecalis*.
 AUTHOR(S): Rich, Rebecca L.; Kreikemeyer, Bernd; Owens, Rick T.; LaBrenz, Steven; Narayana, Sthanam V. L.; Weinstock, George M.; Murray, Barbara E.; Hook, Magnus (1)
 CORPORATE SOURCE: (1) Center for Extracellular Matrix Biology, Institute of Biosciences and Technology, Texas A and M University, Houston, TX, 77030 USA
 SOURCE: Journal of Biological Chemistry, (Sept. 17, 1999) Vol. 274, No. 38, pp. 26939-26945.
 ISSN: 0021-9258.
 DOCUMENT TYPE: Article
 LANGUAGE: English
 SUMMARY LANGUAGE: English

L2 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:713175 CAPLUS
 DOCUMENT NUMBER: 135:271897
 TITLE: Cross-reactive displacing antibodies from collagen-binding proteins and method of identification and use
 INVENTOR(S): Hook, Magnus; Xu, Yi; Speziale, Pietro; Visai, Livia; Casolini, Fabrizia; Patti, Joseph; Patel, Pratiksha; Domanski, Paul
 PATENT ASSIGNEE(S): Inhibitex, Inc., USA; Texas A + M University System; Universita' Degli Studi di Pavia
 SOURCE: PCT Int. Appl., 107 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001070267	A1	20010927	WO 2001-US8554	20010319
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			US 2000-189968	P 20000317
			US 2000-199370	P 20000425
			US 2000-225402	P 20000815
REFERENCE COUNT:	4	THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L2 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1999:622733 CAPLUS
 DOCUMENT NUMBER: 131:333642
 TITLE: Ace is a collagen-binding MSCRAMM from *Enterococcus faecalis*
 AUTHOR(S): Rich, Rebecca L.; Kreikemeyer, Bernd; Owens, Rick T.; LaBrenz, Steven; Narayana, Sthanam V. L.; Weinstock, George M.; Murray, Barbara E.; Hook, Magnus
 CORPORATE SOURCE: Center for Extracellular Matrix Biology, Institute of Biosciences and Technology, Texas A and M University,

AUTHOR: Rich, R.L.; Kreikemeyer, B.; Owens, R.T.; LaBrenz, S.;
 Narayana, S.V.L.; Weinstock, G.M.; Murray, B.E.; Hoeoek, M.
 CORPORATE SOURCE: Center for Extracellular Matrix Biology Institute of
 Biosciences and Technology, Texas A&M University, Houston
 Texas 77030
 SOURCE: Journal of Biological Chemistry [J. Biol. Chem.], (19990917
) vol. 274, no. 38, pp. 26939-26945.
 ISSN: 0021-9258.
 DOCUMENT TYPE: Journal
 FILE SEGMENT: J
 LANGUAGE: English
 SUMMARY LANGUAGE: English.

L2 ANSWER 8 OF 11 MEDLINE
 ACCESSION NUMBER: 1999410431 MEDLINE
 DOCUMENT NUMBER: 99410431 PubMed ID: 10480905
 TITLE: Ace is a collagen-binding MSCRAMM from Enterococcus
 faecalis.
 AUTHOR: Rich R L; Kreikemeyer B; Owens R T; LaBrenz S; Narayana S
 V; Weinstock G M; Murray B E; Hook M
 CORPORATE SOURCE: Center for Extracellular Matrix Biology, Institute of
 Biosciences and Technology, Texas A&M University, Houston,
 Texas 77030, USA.
 CONTRACT NUMBER: AR44415 (NIAMS)
 SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (1999 Sep 17) 274 (38)
 26939-45.
 Journal code: HIV; 2985121R. ISSN: 0021-9258.
 PUB. COUNTRY: United States
 Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 OTHER SOURCE: GENBANK-AF159247
 ENTRY MONTH: 199910
 ENTRY DATE: Entered STN: 19991026
 Last Updated on STN: 19991026
 Entered Medline: 19991013

L2 ANSWER 9 OF 11 SCISEARCH COPYRIGHT 2002 ISI (R)
 ACCESSION NUMBER: 1999:719880 SCISEARCH
 THE GENUINE ARTICLE: 235YD
 TITLE: Ace is a collagen-binding MSCRAMM from Enterococcus
 faecalis
 AUTHOR: Rich R L; Kreikemeyer B; Owens R T; LaBrenz S; Narayana S
 V L; Weinstock G M; Murray B E; Hook M (Reprint)
 CORPORATE SOURCE: TEXAS A&M UNIV, INST BIOSCI & TECHNOL, CTR EXTRACELLULAR
 MATRIX BIOL, HOUSTON, TX 77030 (Reprint); TEXAS A&M UNIV,
 INST BIOSCI & TECHNOL, CTR EXTRACELLULAR MATRIX BIOL,
 HOUSTON, TX 77030; UNIV ALABAMA, CTR MACROMOL CRYSTALLOG,
 BIRMINGHAM, AL 35294; UNIV TEXAS, SCH MED, DEPT MICROBIOL
 & MOL GENET, HOUSTON, TX 77030; UNIV TEXAS, SCH MED, CTR
 STUDY EMERGING & REEMERGING PATHOGENS, HOUSTON, TX 77030;
 UNIV TEXAS, SCH MED, DEPT INTERNAL MED, DIV INFECT DIS,
 HOUSTON, TX 77030
 COUNTRY OF AUTHOR: USA
 SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (17 SEP 1999) Vol. 274,
 No. 38, pp. 26939-26945.
 Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC,
 9650 ROCKVILLE PIKE, BETHESDA, MD 20814.
 ISSN: 0021-9258.
 DOCUMENT TYPE: Article; Journal
 FILE SEGMENT: LIFE
 LANGUAGE: English
 REFERENCE COUNT: 28

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L2 ANSWER 10 OF 11 USPATFULL

ACCESSION NUMBER: 2000:138059 USPATFULL
TITLE: Methods for testing biological network models
INVENTOR(S): Stoughton, Roland, San Diego, CA, United States
Karp, Richard M., Seattle, WA, United States
PATENT ASSIGNEE(S): Rosetta Inpharmatics, Inc., Kirkland, WA, United States
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6132969		20001017
APPLICATION INFO.:	US 1998-99722		19980619 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Brusca, John S.		
LEGAL REPRESENTATIVE:	Pennie & Edmonds LLP		
NUMBER OF CLAIMS:	65		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	19 Drawing Figure(s); 12 Drawing Page(s)		
LINE COUNT:	4107		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 11 OF 11 USPATFULL

ACCESSION NUMBER: 1998:22197 USPATFULL
TITLE: Calcineurin interacting protein compositions and methods
INVENTOR(S): Huang, Laiqiang, Mountain View, CA, United States
Cyert, Martha S., Palo Alto, CA, United States
PATENT ASSIGNEE(S): The Board of Trustees of the Leland Stanford Junior University, Palo Alto, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5723436		19980303
APPLICATION INFO.:	US 1994-328322		19941024 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Knode, Marian C.		
ASSISTANT EXAMINER:	Gucker, Stephen		
LEGAL REPRESENTATIVE:	Dehlinger & Associates		
NUMBER OF CLAIMS:	2		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	38 Drawing Figure(s); 11 Drawing Page(s)		
LINE COUNT:	2130		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.